

LOZA, G.M., prof.; BUZILOV, Yu.T., dots.; GROMOV, M.N., dots.;
NIKIFOROV, M.A., dots.; FEFELOV, V.P., kand. ekon. nauk;
SINYUKOV, M.I., dots.; SAL'KOVA, A.D., dots.; GRANDITSKIY,
P.A., dots.; TIKHONOVA, Ye.M., red.

[Practical aid for the organization and planning of production on collective and state farms] Praktikum po organizatsii i planirovaniu proizvodstva v kolkhozakh i sovkhozakh. Moskva, Kolos, 1965. 526 p. (MIRA 18:5)

SOV/137-58-9-18754

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 86 (USSR)

AUTHORS: Yefremkin, V.V., Fefelova, G.F.

TITLE: Investigation of a Calcium Hydrogenation Process (Issledovaniye protsessa gidrirovaniya kal'tsiya)

PERIODICAL: Tr. Ural'skogo n.-i. khim. in-ta, 1957 (1958), Nr 5, pp 136-151

ABSTRACT: An investigation is made of the possibility of hydrogenating Ca filings with and without the addition of catalyst thereto. It is found that the reaction of Ca filings (without the addition of catalyst) and H_2 occurs at a furnace temperature of 600-700°C. The filings overheat and fuse. Addition of 1.3-2.6% NaCl reduces hydrogenation temperature to 300°. Fusion of the filings can be prevented by introducing a given amount of Ar into the reaction vessel. The hydrogenation process goes in 3 stages: Chemo-sorption of H_2 on the surface of the Ca; an autocatalytic reaction described by the equation $g = k\tau^n + C$ and a period of diffusion in which the hydrogenation reaction goes in accordance with the equation $g = l\sqrt{\tau} - m\tau - d$. 1. Calcium--Hydrogenation
Card 1/1 2. Calcium--Catalysis 3. Hydrogenation--Analysis G.S.

PISKAREVA, N.A.; PISAREVA, N.A.; ALEKSEYENKO, L.D.; PEPELOVA, K.I.

Clinical testing of the dry antirabies UF-vaccine on a limited
contingent of people. Trudy Len.inst.epid.i mikrobiol. 22:203-
206 '61. (MIRA 16:2)

1. Iz antirabicheskoy laboratorii Leningradskogo instituta epi-
demiologii i mikrobiologii imeni Pastera i pasterovskogo otdeleniya
Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(RABIES--PREVENTIVE INOCULATION)

FEFELOVA, L.I.

Work practice of the district pediatricist of Drobyshevo District,
Omsk Province. Vop.okh.mat. i det. 2 no.1:55-56 Ja-F '57. (MLRA 10:2)

1. Glavnyy pediater Omskoy oblasti.
(DROBYSHEVO DISTRICT--PEDIATRICS)

SOSKIN, A.; PEFELOVA, T., red.

[Modern equipment should serve the seven-year plan] Peredovuiu
tekhniku - na sluzhbu semiletke. Moskva, Gos.izd-vo polit.
lit-ry, 1959. 1 v. (MIRA 13:4)
(Russia--Economic policy)

FEFER, A., kand.tekhn.nauk

Do not dump slags bu utilize them. NTO 2 no.10;11-16 0 '60.

(MIRA 13:10)

1. Nachal'nik laboratorii Ural'skogo filiala Akademii stroitel'stva i arkhitektury SSSR, Chelyabinsk.
(Metallurgy)

FEFER, A. I. (Engr.) PARFENOV, O. D. (Engr.)

"Mechanized Computation of Automatic Lathe Setups." in book Some Problems in the Modern Technology of Instrument Making, Moscow. Oberongiz, ~~1956~~ 1957. 126 p. Moscow. Aviatonnyy tekhnolggicheskii institut.

The author discusses a newly developed device for checking the accuracy of setting-up automatic lathes. The principle of operation and examples of practical application of this device are presented. There are 4 Soviet references.

REFER, A.I., inzhener; PARFENOV, O.D., inzhener.

Mechanizing computing operations in adjusting automatic lathes.
Trudy MATI no.33:101-108 '57. (MIRA 10:10)
(Lathes) (Automatic control)

AUTHORS: Korablev, P.A., Pefer, A.I.

SOV/119-58-7-8/10

TITLE: On the Problem of Adjusting Rotary Automatic Machines
(K voprosu o podnaladke tokarnykh avtomatov)

PERIODICAL: Priborostryeniye, 1958, Nr 7, pp. 26-28 (USSR)

ABSTRACT: The basic system of an automatic adjusting apparatus operates as follows: The measuring device, which indicates the total dimensions of the working parts in-as-much as they deviate from those to which they are adjusted emits electric pulses in accordance with these deviations. The latter are transmitted to the organ operating the cutting tool, the height and the direction of the pulses determining the shifting of this tool. The following may be said as the result of experimental tests:

- 1.) The wear of the cutting tool exercises the greatest influence upon the accuracy of the working parts.
- 2.) This influence causes displacement above all in one direction, so that in automatic adjustment only a simple mechanism is necessary for the purpose of eliminating this fault.
- 3.) Faults of shapes can be measured together with faults of dimensions by means of rotary automatic machines.

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On the Problem of Adjusting Rotary Automatic Machines

SOV/119-58-7-8/10

4.) Faults with respect to shape and dimensions are quite considerable with working conditions being as they are just now, so that automatic adjustment is rendered rather difficult. At present a device for the automatic re-adjustment of a rotary automatic apparatus is being developed by a plant which manufactures these apparatus. There are 5 figures, 2 tables, and 1 Soviet reference.

1. Machine tools (Automatic)---Control systems

Card 2/2

FEFER, A.I., Cand Tech Sci -- (diss) "Problems of ^{precision}~~accuracy~~ in the
adjustment of an instrument on ^{automatic}~~the~~ lathes ^{instrument}~~automatic~~ in the manu-
^{building}~~facture of instruments.~~" Mos, 1959. 14 pp (Min of Higher Edu-
cation USSR. Mos Order of Lenin Aviation Inst im Sergo Ordzho-
nikidze). 160 copies (KL, 39-59, 105)

61

S/536/59/000/040/005/005
E062/E435

AUTHOR: Fefer, A.I., Engineer

TITLE: Problems of the accuracy of measuring and actuating instruments in the automatic setting up of the tool in automatic lathes

PERIODICAL: Moscow. Aviatsionnyy tekhnologicheskii institut. Trudy. No.40. 1959. Voprosy tekhnologii priborostroyeniya, pp.98-111

TEXT: The accuracy of the automatic setting up of the tool to a large extent depends upon the sequence of the machining operations and control. The following methods are used:

- 1) the component is measured before machining;
- 2) the component is measured during the process of machining;
- 3) the component is measured after machining;
- 4) the component is measured during and after machining.

The advantages and limitations of the methods are discussed. There exist very few instruments for measuring such quantities as the arithmetic mean of component dimensions. A brief description is given of one such instrument: a spring loaded probe, gear trains and a ratchet arrangement are used. Formulae

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Problems of the accuracy of ...

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are quoted showing the relations of the accuracy and precision of the instrument to the errors in its elements. A description is given of an instrument using a solenoid operated ratchet and pawl arrangement and a lead screw which advances the tool of a lathe by a fixed amount when a switch is operated. An automatic tool advancing apparatus is also described. In it the instrument for measuring average size of component, discussed before, is used in conjunction with a potentiometer pick-up in a feedback control system. A relay operated servo-motor is used to move the tool so as to correct deviations of component size. B.S.Bayburov, Doctor of Technical Sciences N.A.Borodachev, Academician N.G.Bruevich, Candidate of Technical Sciences I.I.Murashov, Doctor of Technical Sciences Professor B.A.Tayts are mentioned for their contributions in this field. There are 7 figures and 3 Soviet references.

Card 2/2

FEFER, A.I.

Problems of precise longitudinal form machining on automatic
lathes in the instrument industry. Nauch.dokl.vys.shkoly;
mash. i prib. no.1:163-170 '59. (MIRA 12:8)

1. Stat'ya predstavlena kafedroy "Tekhnologiya aviapriborostroyeniya"
Moskovskogo aviatsionnogo instituta.
(Turning)

24(7)

AUTHORS:

Borisov, N. D., Nemoshkalenko, V. V., Fefer, A. M. SOV/48-23-5-8/31

TITLE:

Structure of the Energy Spectrum of Electrons in Iron - Chromium Alloys (Struktura energeticheskogo spektra elektronov v zhelezo-khromistykh splavakh)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 5, pp 573 - 577 (USSR)

ABSTRACT:

Great interest is displayed for the phase transformation $\alpha \rightarrow \delta$ of the alloys of the system Fe-Cr, since a fundamental change in the structure of the crystal lattice and the physical properties take place along with this transformation. The authors assume these transformations to be related to a change of the energy state of the electrons of the atoms in individual alloy components. Investigations of the changes of the X-ray spectral lines, especially the transition of electrons from the outer energy field to the K-level, are to supply the fundamentals for the understanding of the mechanism of phase transformation and of the changes in physical properties. Mention is made of investigations carried out by Kazantsev (Refs 1 and 2), which were not altogether successful

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Structure of the Energy Spectrum of Electrons in
Iron - Chromium Alloys

SOV/48-23-5-8/31

because of unsuitable experimental arrangements. The preparation of samples and their treatment are described, and the K-lines of pure iron and pure chromium, taken in two microphotographs at 1000°C, are shown. The computed values of the width of the K-band of chromium and iron in various alloy compositions at a temperature of 1000°C are shown in table 2, and the computed values of the Fermi energies and of the energies of the 3d band are given, taking into account the α , σ and γ phases. Both tables are discussed in detail, and a diagram (Fig 3) is plotted with the respective data, depicting the superimpositions of the energy fields of chromium and iron in Fe-Cr alloys. It is shown in this connection that in the mean range of the concentration of both components the energy of the 3d band of iron exhibits a minimum, and that of chromium a maximum. There are 3 figures, 4 tables, and 3 Soviet references.

ASSOCIATION: Rentgeno-spektral'naya laboratoriya Instituta metallofiziki
Akademii nauk USSR (X-ray Spectral Laboratory of the Institute
of Metal Physics of the Academy of Sciences, UkrSSR)

Card 2/2

FEFER, A.I.

Automatic readjustment of cutting tools on automatic lathes. Izv.-
vys.ucheb.zav.;prib. 4 no.4:120-127 '61. (MIRA 14:9)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut. Rekomen-
dovana kafedroy tekhnologii aviapriborostroyeniya.
(Lathes)

BORISOV, H.D.; FEYER, A.M.

Measuring X-ray spectra' line breadths. Sbor. nauch. rab.
Lab. metallofiz. no.5:138-143 '54. (MIRA 8:9)
(X-rays--Spectra)

FELER, Ann

7
Solid-state spectroscopy of metals and alloys is a method of studying the electron structure of their conducting states. It is 1) Barin, and 2) Feld. 3) Barin, 4) Feld, 5) Barin, 6) Feld, 7) Barin, 8) Feld, 9) Barin, 10) Feld, 11) Barin, 12) Feld, 13) Barin, 14) Feld, 15) Barin, 16) Feld, 17) Barin, 18) Feld, 19) Barin, 20) Feld, 21) Barin, 22) Feld, 23) Barin, 24) Feld, 25) Barin, 26) Feld, 27) Barin, 28) Feld, 29) Barin, 30) Feld, 31) Barin, 32) Feld, 33) Barin, 34) Feld, 35) Barin, 36) Feld, 37) Barin, 38) Feld, 39) Barin, 40) Feld, 41) Barin, 42) Feld, 43) Barin, 44) Feld, 45) Barin, 46) Feld, 47) Barin, 48) Feld, 49) Barin, 50) Feld, 51) Barin, 52) Feld, 53) Barin, 54) Feld, 55) Barin, 56) Feld, 57) Barin, 58) Feld, 59) Barin, 60) Feld, 61) Barin, 62) Feld, 63) Barin, 64) Feld, 65) Barin, 66) Feld, 67) Barin, 68) Feld, 69) Barin, 70) Feld, 71) Barin, 72) Feld, 73) Barin, 74) Feld, 75) Barin, 76) Feld, 77) Barin, 78) Feld, 79) Barin, 80) Feld, 81) Barin, 82) Feld, 83) Barin, 84) Feld, 85) Barin, 86) Feld, 87) Barin, 88) Feld, 89) Barin, 90) Feld, 91) Barin, 92) Feld, 93) Barin, 94) Feld, 95) Barin, 96) Feld, 97) Barin, 98) Feld, 99) Barin, 100) Feld, 101) Barin, 102) Feld, 103) Barin, 104) Feld, 105) Barin, 106) Feld, 107) Barin, 108) Feld, 109) Barin, 110) Feld, 111) Barin, 112) Feld, 113) Barin, 114) Feld, 115) Barin, 116) Feld, 117) Barin, 118) Feld, 119) Barin, 120) Feld, 121) Barin, 122) Feld, 123) Barin, 124) Feld, 125) Barin, 126) Feld, 127) Barin, 128) Feld, 129) Barin, 130) Feld, 131) Barin, 132) Feld, 133) Barin, 134) Feld, 135) Barin, 136) Feld, 137) Barin, 138) Feld, 139) Barin, 140) Feld, 141) Barin, 142) Feld, 143) Barin, 144) Feld, 145) Barin, 146) Feld, 147) Barin, 148) Feld, 149) Barin, 150) Feld, 151) Barin, 152) Feld, 153) Barin, 154) Feld, 155) Barin, 156) Feld, 157) Barin, 158) Feld, 159) Barin, 160) Feld, 161) Barin, 162) Feld, 163) Barin, 164) Feld, 165) Barin, 166) Feld, 167) Barin, 168) Feld, 169) Barin, 170) Feld, 171) Barin, 172) Feld, 173) Barin, 174) Feld, 175) Barin, 176) Feld, 177) Barin, 178) Feld, 179) Barin, 180) Feld, 181) Barin, 182) Feld, 183) Barin, 184) Feld, 185) Barin, 186) Feld, 187) Barin, 188) Feld, 189) Barin, 190) Feld, 191) Barin, 192) Feld, 193) Barin, 194) Feld, 195) Barin, 196) Feld, 197) Barin, 198) Feld, 199) Barin, 200) Feld, 201) Barin, 202) Feld, 203) Barin, 204) Feld, 205) Barin, 206) Feld, 207) Barin, 208) Feld, 209) Barin, 210) Feld, 211) Barin, 212) Feld, 213) Barin, 214) Feld, 215) Barin, 216) Feld, 217) Barin, 218) Feld, 219) Barin, 220) Feld, 221) Barin, 222) Feld, 223) Barin, 224) Feld, 225) Barin, 226) Feld, 227) Barin, 228) Feld, 229) Barin, 230) Feld, 231) Barin, 232) Feld, 233) Barin, 234) Feld, 235) Barin, 236) Feld, 237) Barin, 238) Feld, 239) Barin, 240) Feld, 241) Barin, 242) Feld, 243) Barin, 244) Feld, 245) Barin, 246) Feld, 247) Barin, 248) Feld, 249) Barin, 250) Feld, 251) Barin, 252) Feld, 253) Barin, 254) Feld, 255) Barin, 256) Feld, 257) Barin, 258) Feld, 259) Barin, 260) Feld, 261) Barin, 262) Feld, 263) Barin, 264) Feld, 265) Barin, 266) Feld, 267) Barin, 268) Feld, 269) Barin, 270) Feld, 271) Barin, 272) Feld, 273) Barin, 274) Feld, 275) Barin, 276) Feld, 277) Barin, 278) Feld, 279) Barin, 280) Feld, 281) Barin, 282) Feld, 283) Barin, 284) Feld, 285) Barin, 286) Feld, 287) Barin, 288) Feld, 289) Barin, 290) Feld, 291) Barin, 292) Feld, 293) Barin, 294) Feld, 295) Barin, 296) Feld, 297) Barin, 298) Feld, 299) Barin, 300) Feld, 301) Barin, 302) Feld, 303) Barin, 304) Feld, 305) Barin, 306) Feld, 307) Barin, 308) Feld, 309) Barin, 310) Feld, 311) Barin, 312) Feld, 313) Barin, 314) Feld, 315) Barin, 316) Feld, 317) Barin, 318) Feld, 319) Barin, 320) Feld, 321) Barin, 322) Feld, 323) Barin, 324) Feld, 325) Barin, 326) Feld, 327) Barin, 328) Feld, 329) Barin, 330) Feld, 331) Barin, 332) Feld, 333) Barin, 334) Feld, 335) Barin, 336) Feld, 337) Barin, 338) Feld, 339) Barin, 340) Feld, 341) Barin, 342) Feld, 343) Barin, 344) Feld, 345) Barin, 346) Feld, 347) Barin, 348) Feld, 349) Barin, 350) Feld, 351) Barin, 352) Feld, 353) Barin, 354) Feld, 355) Barin, 356) Feld, 357) Barin, 358) Feld, 359) Barin, 360) Feld, 361) Barin, 362) Feld, 363) Barin,

Röntgen-Spectral. Inst. Inst. Phys. Inst. Phys. Inst. Phys.
Inst. Phys. Inst. Phys. Inst. Phys. Inst. Phys.

AUTHOR: Borisov, N.D., Nemoshkalenko, V.V., Fefer, A.M. 48-10-14/20

TITLE: X-Ray Spectral Method of Investigating Electron Distribution According to States in Metals and Alloys (Rentgenospektral'nyy metod issledovaniya raspredeleniya elektronov po sostoyaniyam v metallakh i splavakh)

PERIODICAL: Izvestiya AN SSSR Seriya Fizicheskaya, 1957, Vol.21, Nr 10, pp.1424-1434 (USSR)

ABSTRACT: On a powerful spectrograph with a crystal-bending radius of 500 mm and a tube for the recording of X-ray spectra of samples subjected to high temperatures, it was possible, by the method of primary excitation, at 1000° and with an oscillating crystal, to obtain emission lines of the $K\beta$ -group of pure chromium and iron as well as of Fe-Cr alloys with 4, 5, 8, 20, 30, 45, 50 and 75% chromium content. It is shown that the transition of chromium and iron to the Fe-Cr alloy in the alloy-component-concentration domain under investigation as well as the transition of the γ -composition along the axis into an α -solid solution exeroises no influence (within the limits of measuring errors) upon the position of the maxima of $FeK\beta_1$ -, $FeK\beta_5$ - and $CrK\beta_1$ -lines. It is shown that the $CrK\beta_5$ -band maximum is shifted in the direction of the longwave side with an increase of iron concentration,

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whereas the shortwave edge of the $\text{CrK}\beta_5$ -band is shifted in the direction of the shortwave side with an increase of iron concentration and attains the lowest values within the central domain of the component concentration of iron-chromium alloys. It is further shown that the conductivity width of band and the number "n" of the "exterior" electrons differ per atom in the case of all alloy component concentrations with the exception, as it seems, of two, i.e. chromium and iron. In the central domain of concentration of chromium-iron alloy components they attain their minimum value in iron and their maximum value in chromium. Modifications of the width of the $\text{K}\beta_5$ -band of chromium and iron, as well as the position of the shortwave edge of the chromium band points in the direction of a complicated modification of the electron structure of chromium- and iron atoms in Fe-Cr alloys with the component-concentration modification of Fe-Cr alloys. It is shown that the transition of the γ -composition along the axis into an α -solid solution is characterized in iron by a considerable modification of the course of T_{max} (kinetic electron energy in the

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conductivity band) - component concentration of the Fe-Cr alloys-
curve. There are 6 figures, 5 tables, and 10 references, 8 of which
are Slavic.

ASSOCIATION: Institute for Metal Physics AS Ukrainian SSR (Institut metallo-
fiziki Akademii nauk SSSR)

AVAILABLE: Library of Congress

Card 3/3

BORISOV, N.D.; NEMOSHKALENKO, V.V.; FEFER, A.M.

Effect of the concentration of components in iron-chromium alloys
on structure of the energy spectrum of chromium and iron conduction
zones at high temperatures. Issl. po sharopr. splav. 3:252-263

' 58.

(MIRA 11:11)

(Iron-chromium alloys--Metallography)

(Electron diffraction examination) (Metals at high temperature)

AUTHORS: Borisov, N. D., Nemoshkalenko, V. V., SOV/20-121-2-19/53
Fefer, A. M.

TITLE: The Structure of the Energy Spectrum of Electrons in Iron-Chromium Alloys (Struktura energeticheskogo spektra elektronov v zhelezo-khromistyykh splavakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 2, pp. 264 - 267 (USSR)

ABSTRACT: The $\alpha \rightarrow \sigma$ phase transformation of Fe-Cr alloys is of high interest because of the changed structure of the crystal lattice and the modification of different physical properties occurring in connection with it. These modifications are connected with modified energetical conditions of the atom electrons of the alloy component. The investigation of the modification of the fine structure of X-ray spectral lines - caused by transitions of electrons from exterior energetic bands to the K-level - offers an insight into the character of the σ -phase, the mechanism of the $\alpha \rightarrow \sigma$ phase transition and into the physical properties. In the present paper investigations of $K_{\beta 5}$ X-ray emission bands of chromium and iron in Cr-Fe

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The Structure of the Energy Spectrum of Electrons in
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alloys are described. Similar investigations, namely of K-absorption spectra of the K_α-group of chromium and iron of a Fe-Cr alloy with 52,38% of iron were carried out by Kazantsev (Refs 1,2), yet the weak linear dispersion of the spectrograph applied did not permit a clear interpretation of the results. The authors of the present paper investigated Fe-Cr alloys with 35,45 and 55 % by weight of chromium; very pure Cr and Fe was obtained by electrolytical methods, the alloy was homogeneously tempered in a vacuum high-frequency furnace at 1150° for 50 hours. The transformation of the alloy from the α- into the σ-phase took place during the isothermal annealing at 650° in the course of 150 hours. The procedure adopted in the experiments was described in a previous paper (Ref 3) and is not repeated here. The results for pure Fe, pure Cr and 10 Fe-Cr alloys of different composition are given in a table. There are 2 figures, 2 tables, and 3 references, which are Soviet.

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The Structure of the Energy Spectrum of Electrons in
Iron-Chromium Alloys

SOV/20-121-2-19/53

ASSOCIATION: Institut metallofiziki Akademii nauk SSSR (Institute of
Metal Physics of the AS USSR)

PRESENTED: February 11, 1958, by G.V.Kurdyumov, Member, Academy of
Sciences, USSR

SUBMITTED: February 4, 1958

Card 3/3

REFER, A.M.

18(7)
 PHASE I BOOK EXPLOITATION
 SOV/3355
 Akademiyu nauk SSSR. Institut metallurgii. Nauchnyy sovet po
 probleme sharoprochnykh splavov
 Issledovaniya po sharoprochnym splavam. t. IV (Studies on Heat-Resistant Alloys, vol. 4). Moscow, Izd-vo AN SSSR, 1959. 400 p.
 Kratka slup inserted. 2,000 copies printed.
 Ed. of Publishing House: V. A. Klimov; Tech. Ed.: A. P. Guseva;
 Editorial Board: I. P. Bardin, Academician; O. V. Kurdyumov,
 Academician; M. V. Agayev; Corresponding Member, USSR Academy of
 Sciences; I. A. Odling, I. M. Pavlov, and I. P. Zudin, Candidate
 of Technical Science.

PURPOSE: This book is intended for metallurgists concerned with
 the structural metallurgy of alloys.
 COVERAGE: This is a collection of specialized studies of various
 problems in the structural metallurgy of heat-resistant alloys.
 Some are concerned with technical principles, some with descriptions
 of new equipment and methods, others with descriptions of specific
 materials. The studies are accompanied by a number of tables and
 figures. The articles are accompanied by a number of references, both Soviet and non-Soviet.

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Таблицата на године од 1960. до 1969. године, таблица 6 (Investigations of Metal-Resistant Alloys, Vol. 6) Moscow, 1960, 119 p. Битка или изградња, 3,000 копия приложени.

Spending Agency: Mandates such as: The first national Labor A. A. Bureau. Industry does no problems whatsoever of labor.

Agnew, Corresponding Member, Academy of Sciences USSR (Soviet Union), U. S. Army Medical Research Institute, Department of Chemical Biology, I. M. Pavlov, and L. J. Todd, Occultism of Chemical Reactions in Pollinating Bees! V. A. Elmsley Jr., B. J. G. Tibboon.

NOTE: This book is intended for research workers in the field of physics or biology and for collectors; particularly those working on bat-repellent alloys.

Comments: This subproblem of 49 articles deals with various problems in the production of heat-resistant alloys. Special attention is paid to the mechanism of deterioration of such materials as aluminum, copper, iron, and stainless steels and influence of such metals on aluminum, and means for increasing heat resistance and plasticity are described. Among the special problems discussed was intermetallic brittleness of iron-aluminum alloys in the solid state; the mobility of atoms in aluminum alloys, depending upon effects of heat expositions (annealing); the mechanism of changes in localized stresses at heat expositions (transformation of cold bodies, etc.). No preliminary data are mentioned. References follow each article.

Belikov, L.D. Influence of the Defects of Crystalline Structure on the Theory of Group Activation

Shustakov, V. B., and A. I. Loshakov. Influence of Temperature and Degree of Prior Information on the Plasticity of Alloys and Copper 35

2017-18-19 U.S. DEPT. OF JUSTICE. The National of the
Industry Discrimination is Always

DAWSON, J. B., F. V. SWINNEY, and R. P. SCHREIBER. Effect of the Irregularity of Cell Particles on the Temperature-Induced Melts of the Mechanical Properties of Dacrylamide Ester Copolymers.

Toporov, A. P., Artyukov, I. I., Buda-Ida, V. S., Dzhurav, G. V.,
and A. P. Artyukov. Effect of Temperature Fluctuation and Strain
Rate on the Properties of Steels with Different Impermeability of Oxide
Inclusions

Creep from the Concentration of Solid Solution and Deformation Conditions

LIBRARY, V.P. Spectral Intensity of Deformation Temperature and
Flow Curves of Copper and Nickel

Shirley T. Lee and V. B. Gurney, husband and wife, 92 Fairview Drive, Condit, N.Y. 11738

Under Elevated Temperature Conditions

95

Investigation of Electrolyte Conductivity of Iron-Nickel Alloys in Aqueous Media, J. H. Kinsinger, and R. L. Madsen, *Met. Trans.*, 1972, 3, 1031-1035.

arteries, S.D., and E.F. Kaylor. In Intestinally Derived Dislocation Activity, Serum B.L.F., and Metabolites

112

Wang, S. P., and T. S. Kihlelshen. Effect of Dissolution Rate
of Crystalline Polymers on the Mobility of Atoms in Fe-Ni-Fe Alloys

... .. and A.M.
... .. of the structure of the
... .. the form of

Johnson, A.L., and D.A. Johnson. Investigation of Deformation Mechanisms of the Crystalline Lattice of an Alloy According to the Interplay of X-ray and Thermal Methods

BORISOV, N.D.; NEMOSHKALENKO, V.V.; FEFER, A.M.

Effect of temperature and small concentrations of impurities
(Ti, Fe, Ni, Hf, Ta) on the fine structure of the X-ray band
in chromium. Issl.po zharopr.splav. 8:14-19 '62.

(MIRA 16:6)

(Chromium—Metallography)
(Metals, Effect of temperature of)

Journal of the American
Ceramic Society
July 1954
Structural Clay Products

Argillites as structural material. ⁽²⁾ A. S. Fayer and G. D. Sokolov. *Steklo i Keram.*, 10 [10] 21-23 (1953). Characteristics of argillites are given. Tests showed them to be suitable for brickmaking, heat-insulating products, pipes, etc. Insulating products made of 50% argillite and 50% ground brick or naturally fired kaolinite clay with 0.1% foaming agent had a bulk density of 0.8 to 1.2 gm./m.³ and a strength of 5 to 60 kg./cm.²; they could be cut, sawed, and nailed. B.Z.K.

FEFER, A.S.; SOKOLOV, G.D.; KLEYMENOVA, K.F., vedushchiy redaktor;
POLOSINA, A.S., tekhnicheskii redaktor.

[Argillite as a new type of raw material for the building
materials industry] Argillity - novoe syr'e dlia proizvodstva
stroitel'nykh materialov. Moskva, Gos. nauchno-tekhn. iss-vo
neftianoi i gorno-toplivnoi lit-ry, 1954. 69 p. (MLRA 8:1)
(Building materials industry) (Clay)

FFFFR, A.S

Southeast of ...

FEFER, E.V., inzh.

Organization of construction work. Stroil. truboprov. 7 no.12:
8-9 D '62. (MIRA 16:1)

1. Trest Tatnefteprovodstroy, Kazan'.
(Gas, Natural--Pipelines)

MARETSKAYA, M.F.; BAYADINA, S.A.; GARELIK, O.S.; BONDARENKO, T.V.; SHISHOVA, Ye.M.;
DOMBROVSKAYA, Yu.F., professor, chlen-korrespondent Akademii meditsinskikh
nauk SSSR, direktor; FEFER, F.I., glavnyy vrach; GEYSHINA, R.V., zaveduyu-
shchiy.

Pneumonia in infants. Sov.med. 17 no.7:30-32 J1 '53.

(MLR 6:8)

1. Klinika detskikh bolezney I Moskovskogo ordena Lenina meditsinskogo
instituta (for Dombrovskaya).
2. Akademiya meditsinskikh nauk SSSR (for
Dombrovskaya).
3. Detskaya bol'nitsa Frunzenskogo rayona (for Fefer).
4. Detskoye otdeleniye polikliniki No. 56 (for Geyshina). (Pneumonia)

FEI ET, IN

USSR

Antihelminthic effects of watermelon seeds. I. M. Fel'ts, M. Z. Mikhlin, and N. N. Prokopovich (Inst. Advance. Pharmachits, Kiev.). *Farmakol. i Toksikol.* 17, No. 5, 60-1(1954).--Tannins and essential oils were found in watermelon seeds, but no alkaloids. The fatty oil, as well as ac. and alc. exts. of hull or of kernels, paralyze tapeworms and roundworms in cats. The antihelminthic activity is higher than that of pumpkin seeds. Julian P. Smith

- chris Pharmacy & Pharmacology.

PETER, I.M.

Solid portion of the fatty oil of fennel fruit as a substitute
for cocoa butter. Apt. delo 7 no. 5:30-34 S-0' 58 (MIRA 11:10)

1. Is apteki No. 42 (Kiyev).
(FENNEL)
(CACAO BUTTER)

ZINCHENKO, T.V.; FERER, I.M.

Chemical investigation of Marrubium praecox Janka of the mint family (Labiatae). Farmatsev. zhur. 16 no.1:47-51 '61.

(MIRA 17:8)

1. Kiyevskiy institut usovershenstvovaniya vrachey, kafedra farmakognozii i farmakologii.

FEFER, I.M.

Study of the solid portion of the fatty acid oil from the
fruits of fennel. Farmatsev. zhur. 17 no.1:45-48 '62.

(MIRA 15:6)

1. Kafedra farmakognozii Kiyevskogo instituta
usovershenstvovaniya vrachey.

(FENNEL)

(OILS AND FATS)

ZINCHENKO, T.V.; FIFER, I.H.

Studying the glycosides of the hedge nettle *Stachys betonica*.
Farmatsev. zhur. 17 no.3:35-38 '62. (MIRA 17:10)

1. Kafedra farmakognozii i farmakologii Kiyovskogo instituta
usovershenstvovaniya vrachey.

L 46736-66 EWT(m)/EMP(v)/EWP(j)/T IJP(c) WW/RM
 ACC NR: AR6000275 (A) SOURCE CODE: UR/0081/65/000/014/S064/S064

AUTHORS: Sidorov, V. A.; Fefer, I. P.

TITLE: Napped rolls made of elastic polyurethane foam materials

SOURCE: Ref. zh. Khimiya, Abs. 14S396

REF SOURCE: Vestn. tekhn. i ekon. inform. n.-i. in-t tekhn-ekon. issled. Gos. kom-ta
 khim. prom-sti pri Gosplane SSSR, vyp. 11, 1964, 15-16

TOPIC TAGS: polyurethane, resin, epoxy ^{plastic,} foam plastic, adhesion, industrial
~~nitrite rubber~~ nitrile rubber / MF-17 resin, ED-5 resin, E-40 epoxy ^{plastic} ~~SKN-26~~
 nitrile rubber

ABSTRACT: Experiments were conducted in the application of cotton nap on polyurethane foam roll in an electrostatic field. It was established that the quality of the produced material is determined by the nature of the adhesive, its application method, and the method of the subsequent thermal treatment. Satisfactory results were obtained with adhesives based on polyurethanes (PU), polyvinylacetate emulsion with addition of MF-17 and ED-5 resins. To decrease toxicity and to increase the stability of the adhesive based on PU, nitrile rubber, SKN-26, "Igelit" brand of polyvinyl chloride, was added to it. Compositions based on SKN-26 and phenolformaldehyde resins "Bakelit S" (40--60 parts by weight of resin per 100 parts by weight of rubber) were employed as well as a combination of the epoxy resin E-40 with SKN-26 (60:100 parts by

Card 1/2

L 46736-66

ACC NR: AR6000275

weight). Organic solvents (ethyl acetate, butyl acetate, etc) were used to decrease the viscosity of the adhesive compositions. The adhesive was applied using an impression method involving a printing roller and doctor knife. For the selected adhesives the thermal processing of the nap material should last 20--40 min at 120--140C. Produced nap based on PU will allow substitution of the scarce and expensive fabric employed in daily use in various industrial areas. Z. Ivanova [Translation of abstract]

SUB CODE: 11

Card 2/2 LC

FEFER, I.Iu.; SHULYAKOVSKAYA, N.G.; GROSHIN, I.I.

Problem of malignant degeneration of cicatrices and ulcers of
gunshot origin. Ortop., travm. i protez. 21 no.11:30-35 '60.
(MIRA 14:4)

(CANCER)

(CICATRIX)

(ULCERS)

YEFER, I.Yu., kandidat meditsinskikh nauk

Surgical treatment of chronic nonspecific synovitis of the knee.
Ortop., travm. i protex. 17 no.2:20-23 Mr-Apr '56. (MLRA 9:12)

1. Iz Moskovskogo ortopedicheskogo gospiralya (nauchnyy rukovoditel' -
prof. V.D.Chaklin, nachal'nik - kandidat meditsinskikh nauk S.N.
Voskresenskiy)

(SYNOVITIS,
knee, surg. (Rus))

(KNEE, diseases,
synovitis, surg. (Rus))

FEFER M. M.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, I.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GOHLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; POULUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; HEZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; RUDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; ~~FEFER, M.M., inzh.~~; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi' promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiya proektirovaniya; Stroitel'stvo zdaniy i sooruzheniy na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)
(Mining engineering)
(Building)

SOLUN, N.S.; FEFER, M.I.

Leucopenia in polyclinical patients. Probl. gemat. i perel. krovi 8
no.7:57-58 J1 '63. (MIRA 17:10)

1. Iz Saratovskoy oblastnoy konsul'tativnoy polikliniki No.2.

SKRITSKIY, Leonid Gennadiyevich, doktor tekhn.nauk; BIKENSHTEYN, V.A., inzh.,
nauchnyy red.; FEFER, Yu.B., inzh., nauchnyy red.; UDOD, V.Ya., red.
izd-va; TOKER, A.M., tekhn.red.

[Automatic control in heating, gas supply and ventilation systems]

Avtomatika v sistemakh, teplo-gazosnabzheniya i ventillyatsii.

Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt., 1957. 175 p.

(Automatic control)

(MIRA 11:3)

(Remote control)

(Municipal services)

[illegible]

FEFERBOYM, G. I.

TA 77120

USSR/Engineering
Atomization
Paints - Spraying

Mar 1948

"Noncompressor Atomization of Viscous Liquids at Pressures of 15-150 Atmospheres," G. I. Feferboym, 4 p

"Mekh Trud i Tyazh Rabot" No 3

Gives detailed account of apparatus designed for subject purpose by author's institute. Based on principle of hydraulic intensifier, needs no air compressor. Liquid is handled by electrically driven gear wheel pump. Presents sectional drawings of system and photographs showing spray. Apparatus has proved very successful with paint and can be adapted for use with fuels, oils, etc.

77T20

FEFERBOYM, G. I.; GOLYAND, A. M.

Universal air ejector. Rats, i izobr. predl. v stroi. no. 105:
8-9 '54. (MIRA 8:10)

(Nossles)

~~FEFERBOYM, G.I.~~

~~FEFERBOYM, G.I.~~

Steam sprayer used for heating bitumen. Rats. 1 isobr. predl.
v stroi. no.2:114-116 '57. (MIRA 11:1)

1.Sotrudnik tresta Soyurspetstroy.
(Bitumen) (Spraying equipment)

KOZIN, I.G., insh.; FEFERBOYM, G.I., insh.; ZEL'TSER, R.S., insh.

Efficient mobile bitumen boiler. Suggested by I.G.Kozin, G.I.
Feferboim, R.S.Zel'tser. Mats.1 isobr.predl.v stroi. no.16:
73-75 '60. (MIRA 13:9)

1. Trest Mosotdelstroy No.3 Glavmosstroya, Moskva, proyezd Serova,
d.3.

(Bitumen)

✓
BAKULOV, Igor' Alekseyevich, kand. vet. nauk; FEFERMAN, A.Ye.,
red.; SAYTANIDI, L.D., tekhn. red.

[Measures of veterinary prophylaxis on animal farms] Veterinarno-profilakticheskikh fermakh. Moskva, Izd-vo
M-va sel'.khoz.RSFSR, 1963. 75 p. (MIRA 17:1)
(Veterinary medicine)

MARKOVA, Kseniya Vladimirovna; AL'TMAN, Anna Davidovna; FEFERMAN,
A.Ye., red.; SHESHNEVA, E.A., tekhn.red.

[Factors which effect the composition of milk] Kakie faktory
vliiaiat na sostav moloka. Moskva, Izd-vo M-va sel'khoz.
RSFSR, 1963. 155 p. (MIRA 16:12)

(Milk--Composition)
(Dairy cattle--Feeding and feeds)

NAZAROV, Stepan Stepanovich; FEFERMAN, A.Ye., red.; SATTANIDI,
L.D., tekhn. red.

[Protecting bees against poisoning by chemicals] Okhrana
pchel ot otravleniia iadokhimikatami. Moskva, Izd-vo
Minprozaga RSFSR, 1963. 183 p. (MIRA 17:3)

ANDREYEV, V.V.; FELOTOV, V.G., veter. vrach; FEFERMAN, A.Ye.,
red.

[Enriching feeds with chemical products] Obogashchenie
kormov khimicheskimi produktami. Moskva, Rossel'khoziz-
dat, 1964. 54 p. (MIRA 17:8)

1. Glavnyy zootekhnik po kormoispol'zovaniyu Ministerstva
proizvodstva i zagotovok sel'skokhozyaystvennykh produktov
RSFSR (for Andreyev).

VINOGRADOVA, T.V., prof., red.; ZAYTSEV, G.P., prof., red.;
FEFERMAN, A.Ye., red.

[Bees and the health of man] Pchela i zdorov'e cheloveka.
Izd.2., perer. i dop. Moskva, Rossel'khozizdat, 1964. 287 p.
(MIRA 17:11)

VASIL'YEV, Nikolay Aleksandrovich; GENKIN, Pavel Borisovich;
SHCHERBATYKH, Maksim Alekseyevich; FEFERMAN, A.Ye.,
red.

[Sheepshearing and the classification of wool] Strizhka
ovets i klassirovka shersti. Moskva, Rossel'khozizdat,
1965. 241 p. (MIRA 18:8)

KRAMARENKO, Nikolay Mikhaylovich, nauchn. sotr., kand. sel'-
khov. nauk; SEMENOV, Nikolay Petrovich, nauchn. sotr.,
kand. sel'khov. nauk; ERNST, Lev Konstantinovich;
FEFERMAN, A.Ye., red.

[Practices in breeding work with black and white cattle]
Opyt plemennoi raboty s krupnym rogovym skotom Chernop-
estroy porody. Moskva, Rossel'khozizdat, 1965. 78 p.
(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhi-
votnovodstva (for Kramarenko, Semenov).

KOPEL'KIYEVSKIY, Grigoriy Vasil'yevich, doktor sel'khoz. nauk;
BURMISTROV, Aleksey Nikolayevich, kand. sel'khoz. nauk;
FEFERMAN, A.Ye., red.

[Improving the feed supply in bee culture] Uluchshenie
kormovoi bazy pchelovodstva. Moskva, Rossel'khozizdat,
1965. 165 p. (MIRA 19:1)

KUMSIYEV, Shalva Alekseyovich, doktor veter. nauk; FEFERMAN, A.Ye.,
red.

[Methods for the examination and treatment of animals
with diseases of the digestive organs] Metody obsledova-
niia i terapii zhivotnykh s zabolevaniami organov pi-
shehovareniiia. Moskva, Rossel'khozizdat, 1965. 196 p.
(MIRA 19:1)

ZALIVIN, N.N.; FEFERMAN, R.G.

Investigating the process of cord drying with the aid of an electron
oscillograph. Kauch. i rez. no.9:53-54 S '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy konstruktorsko-tehnologicheskii institut
shinnoy promyshlennosti, g. Omsk.
(Tire fabrics--Drying)

FEFERMAN, Ye. I.

USSR / Farm Animals. Swine

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21483

Author : Aleksandrov N. P., Aleksandrov V. T., Feferman Ye. I.

Inst :
Title : Effectiveness of the Utilization of the One-Litter System of Farrowing in the Kolkhozes and Sovkhozes of TsChO (Effektivnost' ispol'zovaniya razovykh svinomatok v kokhozakh i sovkhozakh TsChO)

Orig Pub: Vestn. s.-kh. nauki, 1957, No 3, 3-10

Abstract: If the multiple-litter sows are utilized properly and an accurate evaluation is made, it will appear that the difference in the cost of producing pigs when either the one-litter or multiple-litter system is followed, is not great. If the average weight of a multiple-litter sow is 180 kg. and that of a one-litter sow is 80 kg. before mating and 100 kg. after

Card 1/3

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USSR / Farm Animals. Swine
"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0004128

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21483

Abstract: weaning, and if a multiple-litter sow produces 16 pigs and a one-litter sow farrows 7 pigs, then the feeding costs per 1 pig amount to 90 feed units for multiple-litter sow progeny; and for one-litter sow progeny, the same costs amount to 95 feed units. The fertility of sows in the 7 kolkhozes of the Voronezh Oblast was, for multiple-litter sows, 8.2 pigs; for one-litter sows, 6.2 pigs; and in the 7 swine breeding sovkhozes of the same Oblast, 8.8 and 7.5 pigs, respectively. An average weight of the pigs at the age of 2 months in the sovkhov "Klenovo-Chegodayevo" amounted to 17.1 kg. in the case of multiple-litter sows, and 15.1 kg. in the case of one-litter sows. It is recommended to breed one-litter sows farrowed by prolific mothers, whose progeny, when fattened would produce a weight increase not less than 14-15

Card 2/3

I.
FEFERMAN, Ye., nauchnyy sotrudnik; P'YANYKH, M., assistant.

How advanced experience should not be disseminated ("Experience of the swine raising section of the Maslovskii State Farm" by A.T. Grigorovich. Reviewed by E. Feferman and M. P'ianykh). Nauka i pered. op. v sel'khoz. 8 no.3:78-79 Mr '58. (MIRA 11:3)

1. Voronezhskiy filial Vsesoyuznogo instituta ekonomii sel'skogo khozyaystva (for Feferman). 2. Voronezhskiy sel'skokhozyaystvennyy institut (for P'ianykh).

(Swine)
(Grigorovich, A.T.)

MALYGIN, V.I.; FEFERMAN, Ye.I.; LISITSYN, P.I.

Experiment in intensive fattening of growing pigs. Svinovod-
stvo 13 no.11:22-24 N '59. (MIRA 13:2)

1. Filial po Tsentral'no-chernozemnoy zone Vsesoyuznogo
nauchno-issledovatel'skogo instituta ekonomiki sel'skogo
khozaystva.

(Swine--Feeding and feeds)

TSAREV, Sergey Georgiyevich; FEFERMAN, A.Ye., red.

[Medicinal plants in veterinary medicine] Lekarstvennye
rasteniia v veterinarii. Moskva, Rossel'khozizdat, 1964.
171 p. (MIRA 18:3)

YEFILOV, Afanasiy Ivanovich

[Retail trade in the U.S.S.R.] Roznichnaya trgovlia SSSR.
Moskva, Gos. izd-vo torgovoy lit-ry. 1957. 67 p. (MIRA 11:10)
(Retail trade)

FEFILOV, A. I.

Fiftieth anniversary of the G.V. Plekhanov Institute of National
Economy. Sev.torg.no.2:12-20 F '57. (MLRA 10:2)

1. Direktor instituta narodnogo khozyastva imeni G.V. Plekhanova.
(Moscow--Economics--Study and teachings)

~~FEFILOV~~
GOGOL, B.I., red.; LIFITS, M.M., red.; SEREBRYAKOV, S.V., red. FEFILOV, A.I.,
red. TYAGAY, Ye., red.; MUKHIN, Yu., tekhn.red.

[Economics of Soviet commerce; a textbook] Ekonomika sovetskoi
torgovli; uchebnoe posobie. Moskva, Gos.izd-vo polit. lit-ry, 1958.
391 p. (MIRA 11:2)
(Commerce)

SEREBRYAKOV, S.V., prof., doktor ekonom.nauk; GOGOL', B.I., dotsent;
LIFITS, M.M., prof.; ~~FEFILOV, A.I.~~, dotsent; KISTANOV, Ya.A.,
dotsent; GENKINA, L.S., dotsent; VASIL'YEV, S.S., dotsent;
DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dotsent; SMOTRINA, N.A.,
dotsent; KULIKOV, A.G., dotsent; KUZIN, N.I., dotsent; PISKUNOV, V.
red. ; .: MUKHIN, Yu., tekhn.red.

[Economics of Soviet commerce] Ekonomika sovetskoi trgovli;
uchebnoe posobie. Moskva, Gos.izd-vo polit.lit-ry, 1959. 478 p.
(MIRA 12:12)

(Russia--Commerce)

VASIL'YEV, , S.S., dots.; GENKINA, L.S., dots.; GRIGOR'YAN, G.S., dots.;
KISTANOV, Ya.A., dots.; KULIKOV, A.G., dots.; LIFITS, M.M.,
prof. [deceased]; OBLOVATSKIY, F.Ya., dots.; PIROGOV, P.V., dots.;
POPOV, A.N., dots.; SNOTRINA, N.A., dots.; FEFILOV, A.I.;
STARCHAKOVA, I.I., red.; EL'KINA, E.M., tekhn. red.

[Economics of commerce] Ekonomika trgovli. Red. kollegiia;
Vasil'ev, S.S., Grigor'ian, G.S., Fefilov, A.I. Moskva, Gos-
torgizdat, 1962. 727 p. (MIRA 15:6)
(Commerce)

GRIGOR'YAN, G.V., dots.; KISTANOV, Ya.A., dots.; FEFILOV, A.I., dots.;
GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V.,
prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL',
B.I., dots.; SMOTRINA, NA., dots.; KULIKOV, A.G., dots.; KUZIN,
N.I., dots.; AVETISYAN, Ye., red.; MUKHIN, Yu., tekhn. red.

[Economics of Soviet commerce; textbook] Ekonomika sovetskoi trgov-
li; uchebnik. Moskva, Gospolitizdat, 1962. 527 p. (MIRA 15:6)

1. Moskovskiy institut narodnogo khozyaystva im. G.V.Plekhanova
(for Grigor'yan, Kistanov, Fefilov, Genkina, Vasil'yev, Sere-
bryakov, Dneprovskiy, Pirogov, Gogol', Smotrina, Kulikov, Kuzin).
(Russia--Commerce)

GRIGOR'YAN, G.S.[Hryhor'ian, H.S.], dots.; KISTANOV, Ya.A., dots.;
 FEILOV, A.I., dots.; GENKINA, L.S.[Henkina, L.S.], dots.;
 VASIL'YEV, S.S.[Vasil'iev, S.S.], dots.; SEREBRYAKOV, S.V.,
 prof.; DNEPROVSKIY, S.P.[Dnieprovs'kyi, S.P.], prof.;
 PIROGOV, P.V.[Pyrohov, P.V.], dots.; GOGOL', B.I.[Hohol', BI.],
 dots.; SMOTRINA, N.A., dots.; KULIKOV, O.G.[Kulikov, O.H.],
 dots.; KUZIN, M.I., dots.; DEMIDIUK, V.F.[Demydiuk, V.F.], red.;
 SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], red.; LEVCHENKO, O.K., tekhn.
 red.; SERGEYEV, V.F.[Serhieiev, V.F.], tekhn. red.

[Soviet trade economics] Ekonomika radians'koi torhivli; pid-
 ruchnyk. [By] G.S.Grigor'ian ta inshi. Kyiv, Derzhpolitvydav
 URSR, 1962. 500 p. (MIRA 16:11)

(Russia—Commerce)

GRIGOR'YAN, G.S., prof.; KISTANOV, Ya.A., prof.; FEFILOV, A.I., dots.;
GENKINA, L.S., dots.; VASIL'YEV, S.S., dots.; SEREBRYAKOV, S.V.,
prof.; DNEPROVSKIY, S.P., prof.; PIROGOV, P.V., dots.; GOGOL',
B.I., doktor ekon. nauk; SMOTRINA, N.A., dots.; KULIKOV, A.G.,
prof.; KUZIN, N.I., dots.[deceased]; AVETISYAN, Ye., red.;
MUKHIN, Yu., tekhn. red.

[Economics of Soviet trade] Ekonomika sovetskoi trgovli;
uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p.
(MIRA 16:12)

(Russia--Commerce)

L 13650-66 EWT(d)/EWT(m)/EWP(f)/T-2 TCH

SOURCE CODE: UR/2752/65/000/077/0022/0024

ACC NR: AT6014876

AUTHOR: Ignat'yeva, O. V.; Karnaukhov, Yu. S.; Fefilov, A. V.

61
B+1

ORG: none

TITLE: Modeling of the transient processes in an automatic system of temperature control of the cooling water of the 8DRN 43/61 engine *82*

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 77, 1965. Avtomatizatsiya i vychislitel'naya tekhnika na morskoy flote (Automation and computer engineering in the Merchant Marine), 22-24

TOPIC TAGS: engine cooling system, automatic temperature control, transition flow, model theory, *marine engineering, diesel engine / 8DRN 43-61 diesel engine*

ABSTRACT: The article discusses the results obtained in modeling, on the MM-7 machine, the transient processes that occur in an automatic system of temperature control of the 8DRN 43/61 engine's cooling water for three different control schemes employed in marine transport vessels. Current work was occasioned by earlier interest in how such transient processes change in an actual engine. The constants of the equation describing the control system dynamics are determined from experimental curves for diesels (V. P. Petrov. Inform. sb. TsNIIMF, no. 116, 1964). In scheme 1, the control element is installed in the internal circuit of the cooling system and the

UDC: 62-501.72:621.436-71

Card 1/2

L 43650-66

ACC NR: AT5014876

sensing element at the engine input. In scheme 2, the control element is placed in the internal circuit of the cooling system and the sensor is placed at the engine water output. In scheme 3, the control element is placed in the circuit of the water input and control is exercised on the temperature at the engine output. The authors demonstrate that scheme 2 is the most rational choice on the basis of both static and dynamic indications. Orig. art. has: 1 figure.

SUB CODE: 21,12,13/ SUBM DATE: none/ ORIG REF: 001

LS

Card 2/2

L 13654-66 EMT(d)/EMT(m)/EMT(f)/T-2 TCH
ACC NR: AT6014875 (N)

SOURCE CODE: UR/2752/65/000/077/0018/0021

AUTHOR: Antonovich, S. A. (Candidate of technical sciences); Fefilov, A. V. 43
B+1

ORG: none

TITLE: Graphic-analytical method of calculating the static characteristics of an automatic system for temperature control of the cooling water in ship diesel engines

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 77, 1965. Avtomatizatsiya i vychislitel'naya tekhnika na morskoy flote (Automation and computer engineering in the Merchant Marine), 18-21

TOPIC TAGS: engine cooling system, automatic temperature control, graphic data processing, marine engineering, diesel engine / 8DR43-61 diesel engine

ABSTRACT: The article presents a concrete example of a new method of calculating the static characteristics of an automatic system of water temperature control in the cooling system of the 8DR43/61 engine. The method is based on an experimental data processing method described in (Trudy TsNIIMF, no. 63, 1965). Generalized data obtained from tests on the 6DR30/50 and 8DR43/61 engines are presented in the form of graphs and formulas. These involve the input and output temperatures of engine coolant, exhaust gas temperature, combustion surface area, cross-sectional area of coolant pipe, temperature of the water exiting from the cooler, and the temperature of the intake

UDC: 62-52.001.24:621.431.74

Card 1/2

L 43654-66

ACC NR: AT6014875

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water. The results of laboratory tests of a fluid control system (*Inform. sb. T&NIIMP*, no. 116, 1964) are also utilized. Formulas describing the amount of water necessary for engine cooling under extreme operating conditions are presented. Orig. art. has: 2 figures.

SUB CODE: 21,13/2/ SUBM DATE: none/ ORIG REF: 002

15
Card 2/2

FEFILOV, B.V.; ZAKAZNOV, N.P.

Tenth anniversary of Fedor Vladimirovich Drozdov's death. Trudy
MIIGAIK no.20:81-82 '55. (MIRA 10:1)
(Drozdov, Fedor Vladimirovich, 1889-1944)

AUTHOR: Fetilov, B. V.

SOURCE: Pr bory* i tekhnika eksperimenta, no 5, 1964, 1122-122

TOPIC TAGS: semiconductor detector, charged particle semiconductor detector, particle detector preamplifier

ABSTRACT: The circuit of a charge-sensitive preamplifier to be used in charged particle semiconductor detectors is described. The preamplifier uses a cascade connection and is based on a low-noise triode as the input tube. It has two negative and one positive feedback circuits, and its charge sensitivity is ensured by the detector capacitance being included through a capacitor into the preamplifier negative feedback loop. The signal voltage at the preamplifier output is determined by the magnitude of the charge generated in the depleted detector layer and by the feedback capacitor. In conjunction with the input tube, the positive feedback circuit insures a stage gain of ≈ 100 ; the build-up time does not exceed 1.5 μ sec. with an

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L 17812-65

ACCESSION NR: AP4047471

open charge feedback circuit. With an output capacitance of 100 pf and time constants of 0.5usec the integrating circuit and the differentiating circuit, the width of the noise line does not exceed 12 kev. Orig. art. has: 1 figure.

ASSOCIATION: Ob" yedinenny*y institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 14Nov63

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 003

Card 2/2

FEFILOV, B.V., prof., doktor tekhn.nauk; CHEBOTAREV, A.S., prof., doktor,
red.; SHLEMSKIY, I.A., tekhn.red.

[Applied optics] Prikladnaia optika. Moskva, Izd-vo geodex. i
kartograficheskoi lit-ry, 1947. 531 p. (MIRA 13:7)
(Optics)

YELISEYEV, Sergey Vladimirovich, dotsent, kand.tekhn.nauk; RUSINOV, M.M.,
prof., retsenzent; MORDASOV, M.K., retsenzent; PEPILOV, B.V.,
prof., retsenzent; SIKACHEV, V.A., red.; KHRONCHENKO, P.I., red.
izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic instruments and apparatus; principles of calculation
and design and specific features of manufacture] Geodezicheskie
instrumenty i pribory; osnovy rascheta, konstruktsii i osobennosti
izgotovleniya. Izd.2., perer. i dop. Moskva, Izd-vo geodes.lit-ry,
1959. 478 p. (MIRA 13:4)

1. Kafedra optiko-mekhanicheskikh priborov Leningradskogo instituta
tochnoy mekhaniki i optiki (LITMO) (for Rusinov).
(Surveying--Instruments)

POLIKANOV, S.M.; VAN TUN-SEN; KEKK, Kh.; MIKHEYEV, V.L.; OGANESYAN, Yu.TS.; PLEVE, A.A.; FEFILOV, B.V.; SARANTSEVA, V.R., tekhn. red.

[Formation of nuclei with anomalous periods of spontaneous fission in reactions with heavy ions] Obrazovanie iader s anomal'nym periodom spontannogo deleniia v reaktsiakh s tiazhelymi ionami. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 6 p. (MIRA 15:10)

(Nuclear fission) (Nuclear reactions)
(Uranium—Isotopes)

POLIKANOV, S.M.; VAN TUN-SEN; KEKK, Kh.; MIKHEYEV, V.L.; OGANESYAN, Yu.TS.;
PLEVE, A.A.; FEFILOV, B.V.

Formation of nuclei with anomalous periods of spontaneous fission in
reactions involving heavy ions. Zhur. eksp. i teor. fiz. 44 no.3:
804-807 Mr '63. (MIRA 16:3)

1. Ob'yedinennyy institut yadernykh issledovaniy.
(Nuclear fission) (Nuclear reactions)(Ions)

L 17597-63
AFFTC/ASD

FCS(f)/EWT(m)/BDS

s/056/63/044/003/004/053

59
58

AUTHOR: Polikanov, S. M., Wang T'ung-Song, Keck, Ch., Mikheyev, ?
Oganesyan, Yu. Ts., Pleva, A. A., and Fofilov, B. V.

TITLE: Formation of nuclei with an anomalous spontaneous fission 19
period in reactions involving heavy ions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 3,
1965, 804-807

TEXT: Continuing the work on spontaneous fissions with anomalously short decay lifetime reported earlier in Ref. 1 (S. M. Polikanov, V. A. Druin, V. A. Karnaukhov, V. L. Mikheyev, A. A. Pleva, N. K. Skobelev, V. G. Subbotin, G. M. Ter-Akopyan, and V. A. Fomichev, ZhETF, 42, 1464, 1962), the authors measured the decay life times and the production curves while bombarding U^{238} by O^{16} , Ne^{20} , Ne^{22} , and B^{11} ions and of U^{235} and Th^{232} by the O^{16} and Ne^{22} ions respectively. The experimental setup was the same as the one described in Ref. 1. Results are contained in Fig. 1 and Table 1. The authors speculate in details about possible reactions leading to the observed fissions and conclude that the present results support the

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L 17597-63

S/056/63/044/003/004/053

0

Formation of nuclei....'

previously advanced assumption (Ref. 1) that the fissions occur from some isomeric states of $Z < 97$ elements. In the case of Ne and O ions they assume the existence of transfer reactions. The investigation was led by Prof. G. N. Flerov. There is 1 figure and 1 table.

Table 1

Reactions	$U^{235} + B^{10}$	$U^{235} + O^{16}$	$U^{235} + Ne^{20}$	$U^{235} + Ne^{22}$
Number of pulses in the first chamber	82	130	289	89
Number of pulses in the second chamber	20	28	30	16
Calculated value for $T_{1/2}$, msec	15.6 ± 2.8	14.3 ± 1.9	9.7 ± 0.8	12.9 ± 2.1

Note: The decay life time, obtained from only two ionization chambers may actually represent certain averages over several isomeres having different decay life times.

Card 2/3

L 17597-63

Formation of nuclei...

8/056/63/044/003/004/053

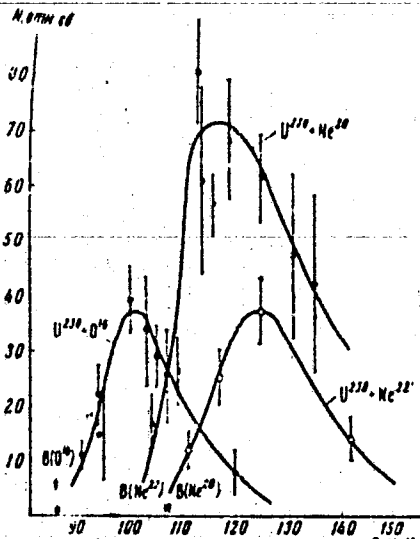


Fig. 1. a - N, relative units

ASSOCIATION: Ob'yedinenyy institut yadernykh issledovaniy (Joint Institute for Nuclear Research)

SUBMITTED: August 18, 1962

Card 3/3

L 17338-63 EWT(1)/EWT(m)/BDS/ES(w)-2 AFPTC/ASD/ESD-3/AFWL/IJP(C)/SSD Pub-4

ACCESSION NR: AP3004883

S/0120/63/000/004/0027/0030 7/

AUTHOR: Kekk, Kh.; Mikheyev, V. L.; Pleve, A. A.; Fefilov, B. V. 68

TITLE: Measuring heavy-ion energy in the internal beam of a cyclotron 19

SOURCE: Pribury*1 tekhnika eksperimenta, no. 4, 1963, 27-30

TOPIC TAGS: cyclotron, cyclotron measurement, heavy ion, heavy-ion energy

ABSTRACT: Ion energy is measured by means of silicon surface-barrier detectors. Scattered by a thin foil at a definite angle, the ions are recorded along with alpha-particles of known energy. The amplitudes of the resulting pulses are compared with the amplitudes of the generator pulses that are fed into the input of a transistorized pre-amplifier operating in an 18-kilooersted-strong magnetic field. The overall error in determining initial ion energy does not exceed 2%; it is largely due to the GI-2A pulse generator. The energy measuring method is claimed to be convenient for use in apparatus intended for investigating some

Cord 1/2

L 17338-63

ACCESSION NR: AP3004883

3
effects of the ion energy. "The authors consider it their pleasant duty to thank G. N. Flerov for initiating this project and his constant interest in it. We also thank S. M. Polikanov for directing the project." Orig. art. has: 4 figures.

ASSOCIATION: Ob'yedinenny*y institut yaderny*kh issledovaniy (United Nuclear Research Institute)

SUBMITTED: 18Aug62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: NS

NO REF SOV: 002

OTHER: 005

Card 2/2

FEFILOV, B.V.

Preamplifier for semiconductor detectors of charged particles.
Prib. i tekhn. eksp. 9 no.5:121-123 S-O '64. (MIRA 17:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.

Rural electrification; experience in the kolkhozes in the Udmurt ASSR Moskva,
Gos. izd-vo selk'khoz. lit-ry, 1951. 61 p. (53-34563)

TK4018.F36

FEFILOV, P. P.

Nochnaya osveshchennost' i rapsredeleniye energii v spektre nochnogo sveta (Nocturnal Luminosity and the Distribution of Energy in the Spectrum of the Night Sky Luminance). Akademiya Nauk SSSR. Doklady, 1942, v. 34, p. 252-256.

AS262.S3663 v. 34

FEFILOV, Saveliy Semenovich, student; CHERNOBYATOV, Nikolay Ivanovich,
dotsent

Investigating the operation of an asynchronous motor with non-symmetrical fractional winding. Izv.vys.ucheb.zav.; elektromekh. 8 no.3:350-353 '65. (MIRA 18:5)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Fefilov). 2. Zaveduyushchiy kafedroy elektricheskikh mashin Chelyabinskogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.

FEFILOV, V. A.

USSR/General Problems. Methodology, History, Scientific Institutions and A
Conferences, Instruction, Questions Concerning Bibliography and
Scientific Documentation.

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3460.

Author : N.A. Smirnov, A.S. Yablonskiy, V.A. Fefilov, Z.N. Pukhovitskaya,
Ya. M. Koldobskiy.

Inst :

Title : Development of Leningrad Bread Baking Industry.

Orig Pub: in symposium: Pishchevaya prom-st', L., Sel'khozgiz, 1957,
23-41.

Abstract: No abstract.

Card : 1/1

-11-

CA

21

The use of ethyl acetate for the extraction of acetic acid in the Lesokhim plant of Syazsk. V. V. Frikov. *Lesokhim. Prom.* 2, No. 8, 67-0(1939); *Chem. Zvezdy* 1940, 1, 288. Practical tests were made with the 3 solvents: "B. D. M." (contg. 80% MeOAc), ether, and EtOAc. The first produced too great sapon. and was too vol. in water, which resulted in high losses. Ether was volatile and presented too great danger of fire. EtOAc also presented the danger of fire but to a lesser degree and has a much higher b. p. With slight changes in the conditions of operation it was used as an extr. agent with good results, 66.5% HOAc being obtained. Its consumption was 1.21-1.36 times greater than that of ether, but its acid content after regeneration was only 0.072% as compared with 0.2% for ether.

W. A. Mowse

ASB S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

26

11. SMOLTA
Preparation of the pentaerythritol ether (ester) of rosin.
I. I. Gantshver and V. V. Erilov. *Zhur. Priklad. Khim.*
(1). *Applied Chem.* 20, 265-70 (1947). In a series of
expts. (glass or Cu vessels, pentaerythritol in 10% excess)
the acid no. of the resulting ester dropped from 65-100
after 1 hr. reaction to 20-80 after 10-12 hrs., with same
effect by 24 hrs. at 240°, 8 at 260°, and 3 at 280°. Agita-
tion (better removal of H₂O) accelerated the reaction, and
an increased charge slowed it down. ZnCl₂ (0.3-0.5%)
accelerated the reaction, yielding a lower-melting, or
liquid resin. The m.p. of the ester was about 20° higher
than that of the rosin; purification (by extrn.) raised it to
50-55°. A soln. (0.74%) in α -phenol (n_D²⁰ 1.4950, d₄²⁰
0.8604) n_D²⁰ 1.4740, d₄²⁰ 0.8924; resin, d₄²⁰ 1.01. H. C.

✓ Gordon, L. V., Fedlov, V. V., Skvortsov, S. M., et al.
Aizmanchukov, G. ~~et al.~~ *Technologiya kishcheniya i
proizvodstva*. (Technology of Forest-Chemical Products).
Moscow: Gosleskhizdat. 1953. 431 pp. 11 p. ill.
revised in *Doklady Akad. Nauk SSSR* 1954, No. 1, 34 (1954).

FEFILOV, V.V.; KORCHEMAYIN, F.I.

Leonid Petrovich Zharebov; on his 90th birthday. Der. i lesokhim. prom.
2no.6:22 Je '53. (MLRA 6:5)

(Zharebov, Leonid Petrovich, 1863-)

FEFILOV, V.V.

DOBRYNIN, B.I.

"Technology of wood chemistry production processes." L.V.Gordon,
V.V.Fefilov, S.O.Skvortsov, G.D.Atamanchukov. Reviewed by B.I.
Dobrynin. Der.i lesokhim.prom.3 no.1:30 Ja '54. (MLRA 7:2)

1. Glavnyy inzhener Glavleskhima (for Dobrynin).
(Wood--Chemistry) (Gordon, L.V.) (Fefilov, V.V.)